

UNITED STATES DEPARTMENT OF AGRICULTURE
NATURAL RESOURCES CONSERVATION SERVICE

MLRA REGION 11
Indianapolis, Indiana 46278

FIRST AMENDMENT
TO THE
APRIL 1990 CLASSIFICATION AND CORRELATION
OF THE SOILS OF
NEWTON COUNTY, INDIANA

SEPTEMBER 2004

This amendment results from digitizing the Newton County Soil Survey, the update of the NASIS database, and conforming to the Keys to Soil Taxonomy, 9th Edition, 2003.

AMENDMENT NO. 1

Page 9, Soil Correlation – Add the following:

Field symbols	Field map unit name	Publication symbol	Approved map unit name
W	Water, census	W	Water
W4	Water, noncensus	W	Water

Page 13, Conventional and Special Symbols Legend -Replace the Conventional Symbols Legend dated 2/90, with the attached Indiana Official 37A for Compilation, Digitizing, and DMF, Revised June 30, 2004.

Only the following standard soil survey features will be shown on the legend and placed on the digitized soil maps:

<u>Feature</u>	<u>Name</u>	<u>Description</u>
BLO	Blowout	A small saucer, cup, or trough-shaped hollow or depression formed by wind erosion, on a pre-existing sand deposit. Typically 0.2 to 2 acres.
ESO	Escarpment, nonbedrock	A relatively continuous and steep slope or cliff, which generally is produced by erosion but can be produced by faulting, that breaks the continuity of more gently sloping land surfaces. Exposed earthy material is nonsoil or very shallow soil.
GPI	Gravel pit	An open excavation from which soil and underlying material have been removed and used, without crushing, as a source of sand or gravel. Typically 0.2 to 2 acres.
LDF	Landfill	An area of accumulated waste products of human habitation that can be above or below natural ground level. Typically 0.2 to 2 acres.

<u>Feature</u>	<u>Name</u>	<u>Description</u>
MPI	Mine or quarry	An open excavation from which soil and underlying material are removed and bedrock is exposed. Also denotes surface openings to underground mines. Typically 0.2 to 2 acres.
SAN	Sandy spot	A spot where the surface layer is loamy fine sand or coarser in areas where the surface layer of the named soils in the surrounding map unit is very fine sandy loam or finer. Typically 0.2 to 2 acres.
WET	Wet spot	A somewhat poorly drained to very poorly drained area that is at least two drainage classes wetter than the named soils in the surrounding map unit. Typically 0.2 to 2 acres.

Only the following ad hoc features will be shown on the legend and placed on the digitized soil maps:

<u>Label</u>	<u>Symbol ID</u>	<u>Name</u>	<u>Description</u>
BRM	13	Bedrock at 20 to 40 inches	Areas underlain with bedrock at depths of 20 to 40 inches. Typically 0.2 to 5 acres.
WDP	18	Wet Depression	A shallow, concave area within poorly or very poorly drained soils that ponds water for intermittent periods and is saturated for appreciably longer periods of time than the surrounding soil. Typically 0.2 to 2 acres.
SAM	38	Small dam	Small, earthen dam. Typically 0.2 to 2 acres.
UWT	44	Unclassified water	Small, natural or man-made lake, pond, or pit that contains water, of an unspecified nature, most of the year. Typically 0.2 to 2 acres.

Page 19, Conversion Legend – Add the following:

<u>Field symbol</u>	<u>Publication symbol</u>
W4	W

Pages 25-26 – Classification of the Soils - Replace the Classification of the Soils table with the following:

Newton County, Indiana Soil Classification table amended per Soil Taxonomy 9th edition.

(An asterisk in the first column indicates a taxadjunct to the series.)

Soil name	Family or higher taxonomic class
Ackerman-----	Sandy, mixed, mesic Histic Humaquepts
Adrian-----	Sandy or sandy-skeletal, mixed, euic, mesic Terric Haplosaprists
Adrian Variant-----	Sandy, mixed, mesic Histic Humaquepts
Algansee-----	Mixed, mesic Aquic Udipsamments
Aubbeenaubbee-----	Fine-loamy, mixed, active, mesic Aeric Epiaqualfs
Ayr-----	Sandy over loamy, mixed, superactive, mesic Arenic Argiudolls
Ayrmount-----	Sandy over loamy, mixed, active, mesic Oxyaquic Argiudolls
Barce-----	Fine-loamy, mixed, superactive, mesic Oxyaquic Argiudolls
Barry-----	Fine-loamy, mixed, superactive, mesic Typic Argiaquolls
Brems-----	Mixed, mesic Aquic Udipsamments
Bryce-----	Fine, mixed, superactive, mesic Vertic Endoaquolls
Comfrey-----	Fine-loamy, mixed, superactive, mesic Cumulic Endoaquolls
Conrad-----	Mixed, mesic Typic Psammaquents
Corwin-----	Fine-loamy, mixed, active, mesic Oxyaquic Argiudolls
*Craigmile-----	Coarse-loamy, mixed, superactive, mesic Fluvaquentic Endoaquolls
Darroch-----	Fine-loamy, mixed, superactive, mesic Aquic Argiudolls
Elston Variant-----	Coarse-loamy, mixed, active, mesic Typic Argiudolls
Foresman-----	Fine-loamy, mixed, active, mesic Oxyaquic Argiudolls
Gilboa-----	Fine-loamy, mixed, superactive, mesic Aquic Argiudolls
Gilford-----	Coarse-loamy, mixed, superactive, mesic Typic Endoaquolls
Glenhall-----	Fine-loamy, mixed, active, mesic Mollic Oxyaquic HapludalFs
Granby-----	Sandy, mixed, mesic Typic Endoaquolls
Houghton-----	Euic, mesic Typic Haplosaprists
Iroquois-----	Fine-loamy over clayey, mixed, semiactive, mesic Typic Argiaquolls
Kentland-----	Sandy, mixed, mesic Typic Endoaquolls
Martinsville-----	Fine-loamy, mixed, active, mesic Typic HapludalFs
Martisco Variant-----	Coarse-loamy, carbonatic, mesic Histic Humaquepts
Maumee-----	Sandy, mixed, mesic Typic Endoaquolls
Miami-----	Fine-loamy, mixed, active, mesic Oxyaquic HapludalFs
*Miami-----	Fine-loamy, mixed, active, mesic Typic HapludalFs
Montgomery-----	Fine, mixed, active, mesic Vertic Endoaquolls
*Montmorenci-----	Fine-loamy, mixed, active, mesic Mollic Oxyaquic HapludalFs
Morocco-----	Mixed, mesic Aquic Udipsamments
Nesius-----	Sandy, mixed, mesic Oxyaquic Hapludolls
*Newton-----	Sandy, mixed, mesic Typic Endoaquepts
Oakville-----	Mixed, mesic Typic Udipsamments
Octagon-----	Fine-loamy, mixed, active, mesic Mollic Oxyaquic HapludalFs
Odell-----	Fine-loamy, mixed, superactive, mesic Aquic Argiudolls
Onarga-----	Coarse-loamy, mixed, superactive, mesic Typic Argiudolls
Ormas-----	Loamy, mixed, active, mesic Arenic HapludalFs
Papineau-----	Fine-loamy over clayey, mixed, active, mesic Aquic Argiudolls
Peotone-----	Fine, smectitic, mesic Cumulic Vertic Endoaquolls
Prochaska-----	Sandy, mixed, mesic Fluvaquentic Endoaquolls
Ridgeville-----	Coarse-loamy, mixed, superactive, mesic Aquic Argiudolls
Ross-----	Fine-loamy, mixed, superactive, mesic Cumulic Hapludolls
Sawabash-----	Fine-silty, mixed, superactive, calcareous, mesic Cumulic Endoaquolls
Seafield-----	Coarse-loamy, mixed, superactive, mesic Udollic Endoaqualfs
Selma-----	Fine-loamy, mixed, superactive, mesic Typic Endoaquolls

Newton County, Indiana Soil Classification - continued

Soil name	Family or higher taxonomic class
Simonin-----	Coarse-loamy over clayey, mixed, semiactive, mesic Oxyaquic Argiudolls
Sparta-----	Sandy, mixed, mesic Entic Hapludolls
Strole-----	Fine, illitic, mesic Aquic Argiudolls
Sumava-----	Coarse-loamy, mixed, active, mesic Aquic Argiudolls
Swygert-----	Fine, mixed, active, mesic Aquic Argiudolls
Swygert Variant-----	Fine, mixed, active, mesic Mollic HapludalFs
Tedrow-----	Mixed, mesic Aquic Udipsamments
Toto-----	Coprogenous, euic, mesic Limnic Haplosaprists
Wallkill-----	Fine-loamy, mixed, superactive, nonacid, mesic Fluvaquentic Humaquepts
Wallkill Variant-----	Fine, mixed, superactive, nonacid, mesic Fluvaquentic Humaquepts
Watseka-----	Sandy, mixed, mesic Aquic Hapludolls
Wesley-----	Coarse-loamy, mixed, superactive, mesic Aquic Hapludolls
Whitaker-----	Fine-loamy, mixed, active, mesic Aeric Endoaqualfs
Williamstown-----	Fine-loamy, mixed, active, mesic Aquic HapludalFs
Zaborosky-----	Mixed, mesic Aquic Udipsamments
Zadog-----	Fine-loamy over sandy or sandy-skeletal, parasesquic over mixed, mesic Typic Endoaquolls

The *Miami taxadjunct is for map unit MnE only.

Approval Signatures

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 Date

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